Abstract

This patent relates to a process whereby two, or more, filter/sieves or water blockages are produced by injecting the interactive chemicals used to form gels and polymers at reservoir temperatures independently and sequentially into a well in such a manner that the chemicals only come into contact with each other at the desired depth of penetration in the formation. At this location in the reservoir, which can be determined by appropriate calculation, the injection is stopped and the intermixed and superimposed chemicals are allowed to react to form the filter/sieves of a gel or polymer depending upon the nature of the individual chemicals injected.